

Sub B52

Sub 1. A method of manufacturing a magnetic recording medium comprising the steps of:

10

15

2. The method as claimed in claim 1, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group.

25

3. A method of manufacturing a magnetic recording medium comprising the steps of:

35

b) repeating a process to said protection

layer of amorphous carbon comprising an application process of applying a lubricant, an subsequent heat treatment process, and a subsequent washing process for removing said lubricant which is not connected to said protection layer of amorphous carbon plural times.

10

4. The method as claimed in claim 3, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including hydroxyl group.

15

5. A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant, and a subsequent ultraviolet rays treatment process plural times.

30

6. The method as claimed in claim 5, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group.

35

00943787.002404

✓ 8. A method of manufacturing a magnetic recording medium comprising the steps of:

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant, and a subsequent heat treatment process plural times.

8. The method as claimed in claim 7, wherein said lubricant is a compound of the perfluoro-polyether with an end-group including hydroxyl group.

✓ 9. A magnetic recording medium having a lubricant layer comprising bonding sub-layer on a surface of said magnetic recording medium and manufactured by a process comprising the steps of

a) laminating an underlayer, a magnetic layer for recording, and a protection layer of amorphous carbon on a substrate of said magnetic recording medium in turn; and

b) repeating plural times a process to said protection layer of amorphous carbon comprising an application process of applying a lubricant which is a compound of the perfluoro-polyether with an end-group including piperonyl or hydroxyl group, and a subsequent ultraviolet rays treatment process, or  
b) repeating plural times a progress to said

00943787-082404

10

15

20

25

35